

Docket No. 291091US0PCT



MAIL STOP PCT IFW

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Wolfgang AHLERS, et al.

SERIAL NO: 10/581,042

GAU:

FILED: May 30, 2006

EXAMINER:

FOR: FUEL OIL COMPOSITIONS WITH IMPROVED COLD FLOW PROPERTIES

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97

COMMISSIONER FOR PATENTS
ALEXANDRIA, VIRGINIA 22313

SIR:

Applicant(s) wish to disclose the following information.

REFERENCES

- ☒ The applicant(s) wish to make of record the references listed on the attached form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

RELATED CASES

- ☐ Attached is a list of applicant's pending application(s), published application(s) or issued patent(s) which may be related to the present application. In accordance with the waiver of 37 CFR 1.98 dated September 21, 2004, copies of the cited pending applications are not provided. Cited published and/or issued patents, if any, are listed on the attached PTO form 1449.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

CERTIFICATION

- ☐ Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

DEPOSIT ACCOUNT

- ☒ Please charge any additional fees for the papers being filed herewith and for which no check or credit card payment is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

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Form PTO 1449
(Modified)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY DOCKET NO.
291091US0PCTSERIAL NO.
10/581,042

LIST OF REFERENCES CITED BY APPLICANT

APPLICANT
Wolfgang AHLERS, et al.FILING DATE
May 30, 2006

GROUP

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	AA	3 304 261	02-14-67	ILNYCKYJ, Stephan et al.			
	AB	3 038 479	06-12-62	COLLI, E.			
	AC	3 627 838	12-14-71	ILNYCKYJ, Stephan et al.			
	AD	3 961 961	06-08-76	RICH, Larry D.			
	AE	4 156 434	05-29-79	PARKER, Levi C. et al.			
	AF	4 491 455	01-01-85	ISHIZAKI, Takaharu et al.			
	AG						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
	AH	1 134 273	09-19-01	EP (equivalent of US 2001 0034308 and US 6 592 638)		NO
	AI	0 291 367	11-17-88	EP (equivalent of US 4 900 332)		NO
	AJ	0 261 957	03-11-92	EP		NO
	AK	31 41 507	04-28-83	DE		NO
	AL	25 15 805	10-30-75	DE (equivalent of GB 1 499 568)		NO
	AM	0 721 492	07-17-96	EP		NO
	AN	0 922 716	06-16-99	EP (equivalent of US 6 509 424)		NO
	AO	19 02 925	11-06-69	DE (Equivalent of US 3 642 459)		NO
	AP	0 007 590	02-06-80	EP		NO
	AQ	0 813 550	12-29-97	EP		NO
	AR	0 061 895	10-06-82	EP		NO
	AS	198 48 621	04-27-00	DE (equivalent of US 6 786 940)		NO
	AT	196 22 052	12-04-97	DE (equivalent of US 6 071 993)		NO
	AU	0 398 101	11-22-90	EP		NO
	AV	00 44857	08-03-00	WO		NO
	AW					
	AX					
	AY					

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

	AZ		<input type="checkbox"/> Additional References sheet(s) attached
Examiner			Date Considered

*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

U.S. PCT Application Serial No: 10/581,042

Filed: May 30, 2006

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STATEMENT OF RELEVANCY

- 1) References AA and AH - AI have been cited in the International Search Report. A copy of these references is being submitted herewith.
- 2) References have been cited in the corresponding Search Report. A copy of these references is being submitted herewith.
- 3) References AB - AF and AJ - AV are discussed in the specification. A copy of these references is being submitted herewith.
- 4) References are additional prior art known to Applicant. A copy of these references is being submitted herewith.

AK: DE 31 41 507:

The invention relates to a process for the preparation of ethylene polymers in a tubular polymerization system at pressures of from 500 to 5000 bar and temperatures of from 50 to 450 DEG C in the presence of polymerization initiators which decompose to form free radicals, in which a mixture of ethylene, oxygen, regulator and optionally comonomers is fed to the polymerization system at its inlet point (A) and simultaneously to a second point (C) after the inlet point along the polymerization system, where the reaction temperature has exceeded a maximum, and in which, in addition, an initiator whose half-value temperature, measured in benzene as solvent, is above 140 DEG C is metered in at a further point (B) of the reactor, at which the temperature of the oxygen-initiated reaction has already exceeded the maximum and which is between the inlet points (A and C). The concentration of the additionally metered-in initiator is from 0.01 to 20 mol ppm, based on the entire amount of ethylene fed the polymerization system. The additionally metered-in initiator is an organic peroxide, an organic hydroperoxide or a mixture of organic peroxide and hydroperoxide.

AP: EP 0 007 590:

1. Middle distillates of petroleum suitable for use as diesel fuels or light fuel oil, having improved filterability and improved flow behaviour and containing small amounts of modifiers in the form of copolymers selected from the

group consisting of binary copolymers of ethylene and a vinyl ester of a C2- or C3- alkanecarboxylic acid and binary copolymers of ethylene and C1- to C8- alkyl ester of a C3- or C4- alkenemonocarboxylic acid, the copolymers containing 60 to 95% by weight of ethylene units and 5 to 40% by weight of units of the olefinically unsaturated ester and having a melt viscosity, measured according to DIN 51 562 (ASTM D 445) at 120 degrees C, of from 100-5000 mm²/sec, characterized in that they contain, in addition to the copolymers, from 0.1 to 10% by volume, based on the copolymer, of the monomeric vinyl ester of a C2- to C3- alkanecarboxylic acid or a C1 - to C8 -alkyl ester of a C3- to C4 -alkenecarboxylic acid.

AV: EP 0 398 101:

Novel reaction products of aminoalkylenopolycarboxylic acids with secondary amines and their use as additive to middle distillates , if desired together with ethylene copolymers known per se as flow- improving agents and with conductivity-improving agents.